

U.S. Application No.: 09/509,626  
AMENDMENT A

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1. A process for simultaneously receiving different radio standards, comprising:
  - carrying out a superimposing of multiple various modulation types of the radio standard and,
  - carrying out a separation of the same by a subsequent digital signal processing.
2. Process according to Claim 1, wherein the superimposing is carried out in two frequency ranges
3. Process according to Claim 1, wherein a superimposing of high frequency signals is carried out prior to the first mixing step.
4. Process according to Claim 3, wherein the sum of the output of two narrow band oscillators is employed as the local oscillators for the first mixing step.
5. Process according to Claim 3, wherein for each modulation type one filter and amplifier is employed.
6. Process according to Claim 3, wherein for all modulation types a special HF-filter with level accommodation and band selection is employed.
7. Process according to Claim 1, wherein a superimposing of a CDMA-encoded and a OFDM-encoded signal is carried out.
8. Process according to Claim 1, wherein prior to decorrelation or demodulation, an A/D conversion is carried out.